Sectt. II-27—50,006—27-10-41.

Public (C.D.) (1942) Department.

Th. SERIES.

G.O. No. ~~3066~~ 3201

Dated ~~28-9-42~~ 6-10-1942

[Despatch Abstract.]

War - A.R.P. - ~~Tanjore~~ Mangalore - ~~A.R.P. Committee.~~ - Scheme - Op & Records

~~Constituted.~~

4-30 PM

Ref. No. 225-ARP-42.
A.R.P. Special.

SPECIAL A.R.P. OFF
MANGALORE, 31-7-194

CHIEF SECRETARY
GOVERNMENT OF MADRAS
3 - AUG 1942

From

J. Sohns, Esq., B.A.,
Special A.R.P. Officer, MANGALORE.

3833
3-8-0

To

The Chief Secretary to the Government of
Public (Civil Defence) Department, M A D

Sir,

WAR A.R.P Mangalore Draft Scheme
mitted.

The draft scheme for the Mangalore A.R.P
with its Appendices as approved by the Area Committee,
meeting held on 30-7-1942 is submitted.

J. Sohns

Special A.R.P. Officer.

PSR/TD

31-7-42

2

Cno 2469 (C) 42

Pub (C.D) Dept

AUG 1942

Endt. No 38334/42-1 d/ 4-8-42.

Referred to the Deputy Inspector General, Civil Defence, for remarks

(By order)

Andrew H Smith

Dy. Inspector General, C.D.

Dy. Secy. to Govt.
ARV 3.8.42

DRAFT SCHEME FOR THE MANGALORE A.R.P. AREA (CLASS III TOWN)

P R E A M B L E

Mangalore town is situated at latitude 12.52 minutes north and longitude 74.42 minutes east on the back-waters formed by the convergent mouths of the Nethravathi and the Gurpur rivers, which empty themselves into the Arabian Sea through a bar midway between a sandspit and Ullal. It is roughly 370 miles west of Madras and 400 miles south of Bombay. In shape, the town is roughly triangular with its apex towards the south. Its area is 5.27 square miles and, according to the census of 1941, the population is 81,069.

The Nethravathi and the Gurpur rivers, which, for a total distance of about 4.25 miles form the southern and western boundaries of the town, are navigable by country crafts for a great distance from their mouth. But no steamers can enter the rivers or approach the bar. The rivers discharge the large volume of their combined waters into the back waters forming a common estuary, with a large spit of sand intervening between it and the sea for a distance of 3½ miles. Lying to the west of the town, the sandspit is roughly 350 ft. wide; but its precise width varies with each monsoon. The bar is at its worst about the month of May. The waves of the sea rise to a mean height of 15 ft. above the sea level. The height of the town above mean sea level is 79 ft.

The town is very undulating and is covered with clusters of areca and cocoanut palms and other fruit trees. Its main topographical features are the central maidan; the two strips of agricultural tracts, one at Kodialbail and the other near the goods railway line; and light-house hill which is about 250 ft. above mean sea level. The general slope of the town is westward from the hills with undulations in all

directions. It enjoys a fairly [illegible] climate; but the relatively high percentage of humidity makes it a little oppressive. Exposed to the full force of the south-west monsoon, its average annual rainfall is about 1[illegible] inches. The soil is generally gravel and hence porous; the sub-soil is laterite except in portions where clay is [illegible]. The laterite occurs in the form of shale and deep red clay, often seen with whitish yellow layers. Throughout the year, sub-soil water is available at depths varying from [illegible] to 50 ft. except in certain areas in the north and east where there is water scarcity in summer.

The population of Mangalore, according to the census of 1941, is as follows:-

Males	...	40,580.
Females	...	40,489.

But, of late, the number has risen heavily due to the influx of refugees from Burma, Calcutta, Madras, Bombay and other places. The total population may now exceed a lakh. The density of population is heaviest in A.R.P. Groups C and D, which comprise the Car Street and the Bunder. About 20% of the population depends on agriculture, 60% on industry, trade, etc., and the remaining 20% on professions, etc. The main industry is tile manufacture and there are 40 factories making what are known everywhere as "Mangalore Tiles". Mangalore is also a centre for export of coffee and cashew nuts. The number of occupied houses, according to the census of 1941 is 13,663. Residential areas are distributed throughout all the wards, the industrial area being practically confined to the river front from 'Sultan's Battery' to the Jeppoo Railway Bridge. There are, however, a few factories, e.g., handloom, beedi, coffee and cashew-nuts curing and peeling factories outside the industrial area; and there are also a few residential localities in the midst of industrial and agricultural areas. ~~Thety~~ There are densely populated areas, viz., Souterpet, Boloor, Kauri and Bijai adjoining the municipality

limits which are included within the A.R.P. area as per details shown in Appendix J

p. 31 ante

FIRE FIGHTING SERVICE:

The town has no protected water supply. In the absence of water mains supplying hydrants, fire-fighting engines have perforce to depend mainly on well-water. It is considered that trailer pumps designated to work on hydrants, will be of no use. There are, in the town, three public water stores. Besides these, there are two wells with pumps attached, one attached to the Jail situated in Warders' Lines and the other within the Port Office compound. Water from these could be stored in overhead tanks of sufficient capacity to be useful for fire-fighting engines. There are also shallow wells in other public places from which the fire engine can draw water into itself.

There are over 50 miles of roads and broad lanes where fire-fighting engines can easily be taken. But there are also very narrow lanes and several houses situated much above the road level and remote from the road-side which the fire engines cannot reach. These places will be dealt with by man-handled water buckets, maximum length of hose on the fire engine which the pump will operate and the small static tanks at convenient places.

One municipal fire-fighting cum road-watering unit has been taken over by the A.R.P. Office; and the District Superintendent of Police has transferred 12 constables from the Madras Police Subordinate Service in accordance with the instructions in G.O.No.724, Public (Civil Defence) Department dated 3-3-1942. These men have been partly trained by the District Superintendent of Police but require further training under a fire-master.

The Mangalore municipality has recently acquired another similar road-watering cum fire-fighting unit. It is

J

To ensure [illegible] the [illegible] engines, it is proposed to [illegible] water tanks at various points [illegible] to the rivers at various places. [illegible] tanks and approach [illegible] given [illegible]. Sand will [illegible] in [illegible].

M

M 19-21 [illegible]

M 25-[illegible] [illegible]

CONTROL AND REPORT CENTRE:

Here will be the combined report and control centre. The combined depot [illegible] adjoining building.

The A.R.P. Controller, or in his absence, any Officer who is [illegible] time of the air raid warning, will be in charge [illegible] system of communications.

The Wardens' Staff Officer will act as Intelligence Officer.

The Messenger Commandant will act as Message Supervisor in the Control and Report Centre.

One clerk with knowledge of map reading will do the work of tally board clerk and plotting officer. The clerk of the Wardens' Staff Officer will do the duty of the record clerk and chart writer.

TELEPHONE SERVICE:

As there is scarcity of telephone instruments only the following telephone lines are proposed.

Exchange lines.	1 Warning line. 1 In telephone.
Direct lines.	1 to District Magistrate's residence. 1 to D.S.P.'s residence.

Since the function of the depot is combined with the report and control centre, it is proposed to have one telephone extension to the depot proper from the In telephone

and one to the Special A.R.P. Officer located upstairs of the Report and Control Centre. It is not proposed to have any out telephones as wardens posts are not provided with telephones. The necessity for direct lines will be re-examined after the warning system has been worked out by the military authorities.

The WarningLine and the two direct lines could be managed by the same set of telephonists. It is therefore, proposed to have six telephonists who will work in shifts of 8 hours each and man the telephones continuously.

MESSENGERS' SERVICE:

Since the function of the Depot Superintendent is co-ordinated with those of the Report and Control Centre, 15 messengers per shift are required for indoor and outdoor duties at the Control and Report Centre and the combined Depot. As they will work in shifts of 12 hours each, 30 messengers in all are required. The total number of messengers required for the A.R.P. Scheme is shown in Appendix E. Since one of the four First Aid Posts is located in the Headquarters Hospital and the Casualty Officer is provided with messengers service, it is proposed to do away with the messengers service for this First Aid Post.

The Messenger Commandant works under the supervision of the Officer-in-Charge of Communications.

WARDENS' SERVICE:

The whole Mangalore area is treated as one division under a chief warden and a Deputy Chief Warden with a Staff Officer to assist them. It is divided into 8 Groups each under an honorary Head Warden - each group comprising a population of about 10,000 persons. The groups are further sub-divided into posts and sectors as shown below:

Group	No. of posts.	No. of sectors.
A	6	19
B	7	16
C	6	16
D	6	20
E	7	18
F	6	17

Group	No. of Posts.	No. of Sectors.
G	6	18
H	8	[illegible]
8	52	146

Each post is manned day and night by three staff wardens working by shifts. There is also attached to each post one honorary post warden and one honorary deputy post warden. In addition, voluntary wardens will be recruited to service as sector wardens according to the scale in appendix B. Details of groups posts and sectors are given in appendices A and B. Posts are supplied with furniture etc., according to the scale in Appendix H. — p. 29 inf

Hn 17-18 inf

Hn 13-18 inf

TRAINING OF WARDENS AND OTHERS:

Four Instructors and an additional Instructor for training in detection of unexploded bombs and shells will be required to train the A.R.P. personnel, the personnel of the A.R.P. subsidiary scheme, the police department and the Civil Guards and the general populace.

FIRST AID POSTS:

The District Medical Officer, south Kanara, is the Casualty Officer. He will be assisted by Casualty Staff Officer.

It is proposed to have four first aid posts for the Mangalore Area located (1) in the Government Wenlock Hospital (2) at Father Muller's Hospital, Kankanady, (3) at the Health Shed near the St. John's Higher Elementary School, Bola and (4) at the Municipal building in the Urwa Maidan. The posts at the Wenlock Hospital and the Father Muller's Dispensary will be in charge of the Medical Officers attached to those hospitals. The [illegible] posts are proposed to be placed in charge of honorary Medical Officers.

It is proposed to appoint a nurse, three first

aiders, four stretcher bearers and two messengers for each first aid post, not established in the hospital. Equipment and medical stores will be provided for the personnel attached to the first aid posts as provided for in the ~~Medical~~ Model Scheme.

AMBULANCE SERVICE:

The Casualty Officer assisted by the Staff Officer will be in charge of the Ambulance service. It is proposed to acquire four motor buses and convert them into ambulances. In addition, suitable buses will be car-marked for being fitted for use with the Berridge Equipment. It is proposed also to have three cars for First Aid Parties and two cars for sitting cases. The Ambulances and cars will be parked at the Combined Depot and ordered out in an emergency by the Depot Superintendent.

FIRST AID PARTIES:

The Casualty Officer, assisted by his Staff Officer, will be in general charge of the First Aid Parties. Eight First Aid Parties are required for the Mangalore area. Of these, two will consist of paid personnel and the rest honorary. It will be necessary to train and enrol a 100% reserve. The parties will be supplied with equipment as shown in the Model Scheme.

The two paid First Aid Parties will be on duty at the Combined Depot by 12 hours' shifts.

RESCUE PARTIES.

The Head of the Rescue Service will be in charge of the Rescue Parties. ~~The question~~ It is proposed to have three paid Rescue Parties. The question of recruiting voluntary Rescue Party will be considered later on, if found possible.

Each Rescue Party will have a leader, three skilled men and six un-skilled men. Three motor lorries will be required for the Rescue Service. The parties will be located in the Combined Depot and as far as possible, will be supplied with the

10

equipment [illegible].

COMBINED [illegible] DEPOT:

This will be in charge of the Depot Superintendent. It is considered that, for the present, [illegible] will [illegible] bungalows [illegible] open ground [illegible] necessary [illegible] superintendent [illegible] the necessary [illegible].

But since the present Depot is adjacent to the Combined Report and Control Centre, it is proposed to combine the functions of the Depot Superintendent with the Report and Control Centre when an air raid warning is given. Under this scheme the Depot will have only the following staff:-

General clerk.	...	1
Storeman.	...	1.
Sweeper.	...	1.
Indoor Messengers.	...	2 by shifts of two.
Outdoor Messengers.	...	3 by shifts of two.

It is not proposed to have any telephones in the Combined Depot except one extension from the Report Centre and Control Centre, as it adjoins them. Communications between the Depot and the Report Centre will be mainly through Messengers.

MOBILE FIRST AID POST:

It is proposed to have one mobile first aid post and when this is fully equipped and ready one of the sanctioned fixed First Aid Posts will be abolished.

TRANSPORT:

The following is the motor transport required:-

(2) 3 lorries for the three paid Rescue Service. ✓
(1) 2 ambulances to take 4 stretchers each at the rate of one for every two First aid parties. ✓
(1) 2 cars for sitting cases - one car for every three First Aid Parties. ✓
3 cars for (3) paid First Aid Parties.
1 lorry for the mobile First Aid Post.

only 2 parties to be paid - A cup [illegible]

Garages will be provided at the Combined Depot for the vehicles.

ESSENTIAL SERVICES:

There is no protected water-supply scheme in the town. The electric supply is by a private company which has its own subsidiary scheme. The telephone system is wholly Government.

PUBLIC PLACES OF REFUGE

It has been proposed to have three rest Centres in the Mangalore A.R.P. area. Their location etc., is given in Appendix G.

p 27 note

J. Soares

Special A.R.P. Officer.

Ver 31.8.42

APPENDIX A.

TABULAR FORM OF GROUPS AND POSTS.

	Description.		Number of Posts with population.
Group A.	Comprises Municipal Wards 4 Mannagudda (excluding T.S.blocks 22, 23 & 48) No.5 Boloor and No. 6 Kudroli (excluding blocks 39 to 44) Boundaries North Municipal limit, East - Pentlandpettah Higher Road, Kulur Ferry Road from Gurji to Alke Bridge. South - Gokarnanath Temple Road straight up to the river West - the Netravathi river.	A1	2074
		A2	2456
		A3	2490
		A4	1181
		A5	1641
		A6	1147
	Total		10989
Group B.	Comprises Municipal wards - 2 Kodialbail No.3 Kambla No.1 Kadri (excluding blocks 54 to 56 and portion of 53) and Blocks 22, 23 and 48 of 4th Mannagudda Ward. Boundaries - North Municipal limits. East Municipal limits and Bunt's Hostel compound Western boundary - South Kadri road upto Mannagudda Gurji Pentlandpettah High Road upto Municipal limits.	B1	1778
		B2	2154
		B3	745
		B4	2076
		B5	1302
		B6	1260
		B7	1039
	Total		10354
Group C.	Comprises Municipal wards 7 Nabayath, 8 Golikatta, 9 Bunder and Blocks 39 to 44 of 6th Ward - Kudroli - Blocks 1 and 2 of No. 21 Fort Ward Boundaries - North Gokarnathath Temple Road - East Kulur Ferry Road, Car Street. Mukyaprana Temple Road, Beebi Alabi Road, Muhammad Ali Road, Maidan West Road - South - Municipal Office Road - West River.	C1	955
		C2	1258
		C3	1257
		C4	1534
		C5	1338
		C6	1788
	Total.		8140
Group D.	Comprises Municipal Wards - 10 Dongerkery, 11 Trishleshwar, 12 Central, 13 Market North - 14 Market South - Boundaries - North Dongerkery and Canara High School roads - East Thomson Road and Sadashiva Rao Road - South Muhammad Ali Road, West Beebi Alabi and Mukhyaprana Temple Road.	D1	1842
		D2	1660
		D3	2152
		D4	1786
		D5	1588
		D6	1336
	Total.		10364
Group E.	Comprises Municipal Wards 15 Court, 16 Bendoor 17 Balmatta Ward Blocks 54 to 56 of No. 1 Kadri Ward and portion of Block No.53. Boundaries - North Municipal limits. East Municipal limit - South Trunk Road from Kankanady junction to Municipal limits and Falnir Road - West - Karnad Sadashiva Rao Road, Kadri Road and Western boundary of Bunt's Hostel.	E1	1341
		E2	1317
		E3	1777
		E4	1703
		E5	1605
		E6	961
		E7	1150
			9854

Group F. Comprises wards 19, Milagres excluding blocks 1, 2 and portion of Block No. 11. 20 Cantonment exclusing portions lying to the east of Railway line 21, Fort exclusing (Blocks 1 and 2) and Ward 22 Rozario - Boundaries north - Municipal Office Road, Maidan West Road - Mahamad Ali Road - East Railway Station Road, Railway Line - Goods Shed Line upto Hoige Level Crossing - Hoige Bazaar till Salt Centres - Salt Centres Northern boundary West - Nethravathi River.	F1 F2 F3 F4 F5 F6	1290 1851 1451 1197 1099 1275
		8163
Group G. Consisting of wards 18, Falnir, 23 Attavar Blocks 1 and 2 and portions of block 11 of the 19th Milagres Ward and portion of 20th Cantonment Ward lying to the east of the Railway line. Boundaries - North - Falnir Road trunk Road upto Municipal limits - East Municipal limits - south - Municipal limits - West by the Railway line and the Railway Station Road.	G1 G2 G3 G4 G5 G6	1341 1889 2086 1958 1214 2332
		10820
Group H. Comprising of wards No. 24, Hoige 25 - Mangaladevi 26 - Jeppoo excluding blocks 1,2 and 3 of No. 24th Hoige Ward. Boundaries - North Railway Goods line East - Railway line - South - river and West - River and Salt Centres - Northern Boundary - Hoige Bazar upto the Goods line.	H1 H2 H3 H4 H5 H6 H7 H8	1667 1696 1198 1755 2220 1748 863 1277
		12424

J. Soares

Special A.R.P. Officer.

APPENDIX - B.

GROUP A.

Posts	1	2	3	4	5	6
Sectors 19	a 772	a 700	a 891	a 465	a 603	a 600
	b 655	b 601	b 400	b 716	b 442	b 547
	c 647	c 654	c 599		c 596	
		d 501	d 600			
	2074	2456	2490	1181	1641	1147

GROUP B.

Posts	1	2	3	4	5	6	7
Sectors 16	a 689	a 713	a 745	a 650	a 680	a 619	a 539
	b 789	b 714		b 730	b 622	b 641	b 500
	c 300	c 727		c 696			
	1778	2154	745	2076	1302	1260	1039

GROUP C.

Posts	1	2	3	4	5	6
Sectors 16	a 649	a 600	a 760	a 498	a 365	a 428
	b 306	b 658	b 507	b 473	b 500	b 686
				c 563	c 473	c 350
						d 324
	955	1258	1267	1534	1338	1788

GROUP D.

Posts	1	2	3	4	5	6
Sectors 20	a 621	a 246	a 428	a 401	a 554	a 516
	b 585	b 500	b 560	b 827	b 528	b 634
	c 636	c 521	c 539	c 558	c 506	c 186
		d 393	d 625			
	1842	1660	2152	1786	1588	1336

GROUP E.

Posts	1	2	3	4	5	6	7
Sectors 18	a 483	a 753	a 700	a 593	a 574	a 521	a 633
	b 373	b 564	b 667	b 495	b 406	b 440	b 517
	c 485		c 410	c 615	c 625		
	1341	1317	1777	1703	1605	961	1150

GROUP F.

Posts	1	2	3	4	5	6
Sectors 17	a 323	a 482	a 400	a 600	a 515	a 257
	b 741	b 500	b 500	b 597	b 584	b 485
	c 226	c 300	c 551			c 533
		d 569				
	1290	1851	1451	1197	1099	1275

/p

GROUP G.

Posts	1	2	3	4	5	6
Sectors 18	a 626 b 715	a 711 b 590 c 588	a 288 b 439 c 699 d 660	a 780 b 546 c 632	a 614 b 600	a 695 b 546 c 546 d 546
	1341	1889	2086	1958	1214	2332

GROUP H.

Posts	1	2	3	4	5	6	7	8
Sectors 22	a 600 b 540 c 527	a 388 b 700 c 608	a 407 b 367 c 424	a 483 b 472 c 800 d 400	a 800 b 768 c 652	a 648 b 700 c 400	a 400 b 453	a 692 b 585
	1667	1696	1198	2155	2220	1748	853	1277

SP/31-7.

Special A.R.P. Officer,
Mangalore.

APPENDIX C.

List showing the T.S.Nos. of the plot wherein Storage Tanks are to be built.

S.No.	Locality.	T.S.No.	Name of Owner.	Capacity of Tank.
1	2	3	4	5
1.	Urva Market	824 of 4th Ward	Municipality	15,000
2.	Municipal Child Welfare centre at Pentlandpetah	666/26 of 4th Ward	-do-	5,000
3.	Bizai, near the channel	1558 of 2nd Ward	-do-	5,000
4.	Bizai near the market	3 of 1st Ward	-do	10,000
5.	Kulur Ferry Road near the well.	662 of 3rd Ward	-do	10,000
6.	Gokarnath Temple near channel.	502 of 6th ward	-do-	5,000
7.	Near Guthamasthan	371 of 3rd Ward	-do-	5,000
8.	Near Sub Jail Warders' line.	97 of 1st Ward	~~-do-~~ -do-	~~5,000~~ 5,000
9.	Near Circuit House, Kadri	339 of 16th Ward	Government	5,000
10.	Kodialbail Jutka Stand	20 of 13th Ward.	Municipality	10,000
11.	Near Puttur Saheb's Junction.	351 of 16th Ward.	-do-	5,000
12.	Kankanady Market.	450 of 17th Ward.	-do-	5,000
13.	Hampankatta.			
	(a) Near the public well	275 of 19th Ward.	-do-	7,500 } 15,000
	(b) in the Bus Stand	4 of 15th Ward.	-do-	7,500 }
14.	District Educational Officer's Office compound at Car Street.	312 of 11th Ward.	Government	5,000
15.	Webster Market.	180 of 14th Ward.	Municipality	5,000
16.	Falnir Tank	758 of 15th Ward.	-do-	5,000
17.	Nandigudda Road near the well.	203 of 23rd Ward.	-do-	5,000
18.	Near European Burial Ground.	102 of 20th Ward.	-do-	5,000
19.	Near Municipal Traveller's Bungalow.	208 of 20th Ward.	-do-	5,000
20.	Golikatta within the Police Station compound	635 of 9th Ward.	Government	10,000
21.	Municipal Muhammadan Higher Elementary School.	342 of 9th Ward.	-do-	5,000
22.	Car Street near Punchamahal.	1412 of 6th Ward.	-do-	5,000
23.	Nireshwallya Near Municipal School.	131 of 21st Ward.	-do-	5,000
24.	Goods Shed Yard	152 of 22nd Ward	Railway	5,000
25.	Near Salt Caottars Gate	53 of 24th Ward	Municipality	5,000
26.	Near Lee Well Bolar	591 of 24th Ward	-do-	5,000
27.	Bolar Tube Well.	625 of 24th Ward	-do-	5,000
28.	Jeppoo Market	712 of 25th Ward	-do.	10,000
29.	Near Tavarekere.	127 of 25th Ward	-do-	5,000
30.	Tilery Road near the old well.	565 of 26th Ward.	-do-	5,000
31.	Jeppoo Road near J.C. Sequeira's Weaving Establishment.	274 of 23rd Ward.	-do-	5,000
32.	Punchama Colony near the Well	250 of 23rd Ward.	-do-	5,000
33.	Kudroli Market.	1356 of 6th Ward.	-do-	5,000

Special A.R.P. Officer.

31-7-42

APPENDIX D. APPROACH ROADS.

Locality.	T.S.No.	Name of Owner.
1. Near Sultan Battery.	891 of 5th ward.	Government.
2. Near the Municipal dumping ground.	1587 of 5th ward.	Municipal.
3. Near Sovereign Tile Works.	Portion of the river.	Government.
4. Bokkapatna junction.	-do-	-do-
5. Near Nadupalli burial ground.	1208 of 6th ward.	-do-
6. Near Satyanarayana Tile Works.	Portion of the river.	Municipality.
7. Near dumping ground at Kandathpalli.	24263/3 of 7th ward.	Port Land.
8. 2 places from Port Office 9. to Vartak Vilas.	642 of 9th ward.	Government.
10. 2 places from Port Office 11. to Burma Shell.	550 of 9th ward. 211 & 152 of 21st ward.	Government.
12. Hoige Bazaar near market.	10/B of 24th ward.	Municipality.
13. Salt couters.	52 of 24th ward.	Government.
14. Jeppoo Ferry Road.	Portion of the river near T.S.No. 819.	Government.
15. Bolar Ferry Road.	Portion of the river near T.S.No. 546 of 26th ward.	Government.
16. Jeppoo Cycle Path.	842 of 26th ward.	Railway.

SP/31-7.

Special A.R.P. Officer,
Mangalore.

APPENDIX E.

Name of the Office of the Messengers.	No. of Offices.	No. Required at each Shifts.	No. of Shifts.	Total.
Wardens Post	52	1	2	104
Control & Report Centre.	1	10	2	20
F.A.Posts including First Aid Posts at the Bases Hospital. (Casulaty Officer)	4	1	2	8
Depot	1	2 in 3 Out	2	10
				142

Reserve 33-1/3%

Special A.R.P. Officer.

APPENDIX F.

SITES FOR THE STORAGE OF SAND.

1. Near the public well on Bokkapatna Road.
2. Urva market.
3. Municipal Health Sheds.
4. Boloor Mutta.
5. Near Bokkapatna Boys' School.
6. Protestant Church at Bokkapatna.
7. Gokarnanath Temple.
8. Near Municipal Hindusthani School, Kudroli.
9. Jodu Pally.
10. Kambla Junction.
11. Alko Bridge.
12. Near Kuloor Ferry Road near the well. (Mannagudda).
13. Municipal Dispensary on Bokkapatna Road.
14. Lane on Kambla Road.
15. Matadakani Road near Venkatramana Temple.
16. Municipal Child Welfares Centre. (Pentland petah.).
17. Gandhi Road and Nehru Avenue Junction.
18. Bijai Channel.
19. Bijai Market.
20. Bijai Church Road, Junction.
21. Near Warders' Lane.
22. Veternary Hospital corner.
23. Karangalpady Market.
24. Vidyarthi Bhavan.
25. Peasant Girls' School.
26. Guthamasthana near well.
27. Dongerakery Road near Katte.
28. Kodialbail Garden near Rahimatullah Saheb's House.
29. Lane leading to Kodialbail Guthu.
29. (a) Urva Maidan, S.E. corner.
30. Kambla Cross Road. (Bhoja Rao's Lane).
31. Karangalpady Lane end.
32. Kuloor Ferry Road near the Wardens' Post.
33. Kudroli Market.
34. Ice Factory Road.
35. Chuklers' Street.
36. Kandathpalli near School.
37. Car Street at Panchamahal.
38. Mission High School.
39. Azizuddin Road near Unnni Dispensary;
40. Jumma Mosque.
41. Municipal Mohammadan Higher Elementary School.
42. Palai Central Bank.
43. Imperial Bank.
44. Golikatta Pumping Station.
45. Municipal Office..
46. Customs North Gate.
47. Varthaka Vilas. .
48. Canara High School.
49. Kodialbail Chapel..
50. Jutka Stand Kodialbail.
51. District Educational Office.
52. Mission High School.
53. Central Ward Municipal School.
54. Temple Square.
55. Ganapathi Temple Street.
56. Ganapathi High School.
57. Municipal Mid-wifes' Centre.
58. Felix Pai Bazaar.
59. Webster Market.
60. Jain Basthi.
61. Behind Lady Goschen Hospital.
62. Rao and Rao Junction.
63. Kuluk Police Station.

APPENDIX G.

Public Places of Refuge.

S. No.	Division Name.	Population.	Location of rest centres.	Maximum Accommodation.	Rest Centre.
1.	Pentlandpet.	25,000	Pentlandpet Girls'School and Souter's Hostel.	200	Mangalore Municipality.
2.	Jeppoo	25,000	St.John's H.E. School and St. John's Girls' School.	300	Government.
3.	Hampankatta	32,000	Ganapathy High School.	500	Government.

F. Soares

Special A.R.P. Officer.

29

APPENDIX H.

List of equipment at the Warden's Post.

Warden's Post Sign Board	...	...	1
Electric Torches	...	...	3
Haversacks	...	...	3
Stirrup Pumps	...	...	2
Water Buckets	...	...	4
Whistles	...	...	3
Badges	...	...	3
Small Table (Folding).	...	...	1
Chair (Folding)	...	...	1
Lantern (With Kerosene	...	...	1
First Aid Box	...	...	1
Message Pads M1 and M3	...	...	2
General Diary with Carbon Paper	...	...	1
Manuscript Book	...	...	1
Copying Pencil	...	...	3

~~NOTE:- Under Wardens' Service in the Draft Scheme for Appendix I. please read H~~

J. Soares

Special A.R.P. Officer.

APPENDIX J.

List of urban area adjoining Municipal limits proposed to be included in the Mangalore A.R.P. Area.

Name of the Locality	Extent a - c	~~No. of occupied houses~~ Population.	~~Population.~~ No. of occupied houses
Souterpet	422.8	5511	932
Boloor	443.95	4915	692
Kadri	517.06	3676	491
Bijay	327.11	3889	604
	1710.20	17991	2719

Special A. R. P. Officer.

31-7-62

C.F. 32.

Department

From (Name) E.H.Colebrook, Esq., M.C.,
Designation Dy. Inspector-General, Civil Defence,
Station Madras.

Received 12 AUG 1942 Registered

DEPUTY SECRETARY PUBLIC DEPARTMENT

To The Chief Secretary to Government, Public (Civil Defence) Dept., Madras.

33

39870

Enclosures:

No. 2469/CD/42 dated 8-8-1942.

Sir,

Reference your Endorsement No.38334/42-1, dated the 4th August 1942 and the draft A.R.P.Scheme for Mangalore returned herewith.

The refugee population will move on if danger threatens and need not be taken into account for A.R.P.purposes.

Fire Service:

There is a complete misunderstanding of the capabilities of trailer pumps. Six would probably be necessary to give the town reasonable protection. Instructions have recently been issued that the fire brigade should be increased to 24, that will suffice for one trailer pump and the two existing water lorries. Five static water tanks have been completed but no attempt has been made to fill them.

Control & Report Centre:

There is much confusion about this, the revised orders about reporting to depots have not been understood. A building has been selected for a second depot. Operation rooms for both should be planned. The Control Room can then be modified. Both it and the main depot operation room should be in the same building to economise staff and telephones.

A direct line will be required from the Control Room to the 2nd depot. There are nearly 100 telephone communications in the town. Each depot will require two exchange telephones, the Control - if adjoining the main depot - one. Extension lines are not desirable for receiving wardens' reports.

Messenger Service:

Government recently ordered a revised scale of messengers.

Wardens' Service:

The service has been organised on a scale of ten posts to the square mile - the maximum number allowed in highly congested areas. Mangalore is the reverse of congested, thirty posts at the most will suffice. The matter is under correspondence with Government. There should be about 160 sectors. The Post & Deputy Post Wardens are in charge of their posts, not merely attached to it.

Ambulance Service:

In the six months since A.R.P. was started here no buses have been earmarked for Berridge equipment, only one car has been obtained for the Casualty service.

Combined A.R.P.Depot:

A second depot is necessary, a building has been selected.

Transport:-

Two lorries and one car only have been obtained. I have ordered an ambulance and a fire tender from Madras. Urgent attention should be given to obtaining the other vehicles needed.

Deputy Inspector-General,
Civil Defence, Madras.

Enclos.

Copies to:-
The District Magistrate, South Kanara Dt., Mangalore.
& The Special A.R.P.Officer, Mangalore, for information with reference to their draft A.R.P.scheme.

35

Public (Civil Defence) Dept.

MEMO. No. 38334/42-2 dated 20/8/42

A.R.P. - Mangalore - Scheme.
Ref.-Special Officer's letter No.225-ARP.42
dated 31-7-1942.

The attention of the D.M. of South Kanara is invited to letter No.2469/CD/42 dated 8-8-1942 from the D.I.G., Civil Defence, a copy of which has been sent to him direct, and he is requested to put the scheme into operation after revising it suitably. The following further remarks are called for:-

Fire-fighting Service: As remarked by the D.I.G., there seems to be a complete misunderstanding of the capabilities of Trailer Pumps. Small Trailer Pumps can be easily man-handled down the narrowest lanes, but drawing water direct from a well is dangerous as the suction created will usually be sufficient to cause the sides of the well to cave in.

The static water supply tanks should be as large as possible upto a capacity of 100,000 (one lakh) gallons. Specifications for the tanks may be obtained from the Superintending Engineer, A.R.P. Circle, Madras. The possibilities of filling the tanks from the canals and backwaters should be investigated - either by means of open channels or by some form of pumping arrangements. If it has not already been done, a Fire Master should be selected and sent to Madras for training very soon.

The Govt. presume that the D.M. is satisfied that it is really necessary to store sand in 130 places in the town and that suitable steps will be taken to see that the sand is not washed away by the rain.

Telephone Service: The Military have completed their part of the work relating to the warning system. The paragraph should be revised incorporating the local arrangements.

Control and Report Centre: It is stated that the A.R.P. Controller, or in his absence, any officer

who is present at the time of the air raid warning will be in charge of the system of communications. This is very vague. A roster of persons who will take charge in the absence of the Controller or Deputy Controller should be prepared ~~and~~ in order of 'Seniority' so that there can be no doubt or dispute as to who should assume control ~~at any given time~~. on any particular occasion.

Wardens' Service: The attention of the D.M. is invited to Memo.No.35854/42-3, Pub. (C.D.), dated 6-8-42 regarding the reduction in the number of Wardens' Posts.

Transport: As motor lorries are now difficult to obtain, buses may be utilised for carrying Rescue Parties. One of the lorries already purchased can be utilised for the Mobile First Aid Post. Necessary orders authorising the D.M. to acquire the vehicles required will be issued separately.

19.8.42.

To the D.M. of S. Kanara.
" D.I.G., Civil Defence
" Spl.ARP.Officer, Mangalore.

II

Public (C.D.) Dept.

LETTER/Ref.No. 38334/42-3 dated 20/8/42

To

The Secretary to the Govt. of India, Civil Defence Dept., New Delhi (with encl.*)

*(with copy of pp.3-11 c.f. and 33 c.f. and draft I above).

Sir,

A.R.P. - Mangalore - Scheme.

I am directed to enclose a copy of the A.R.P. Scheme for Mangalore together with a copy of the remarks of the D.I.G., Civil Defence, thereon and a copy of Govt. Memo.No. 38334/42-2 Pub.(C.D.), d/ 20-8-42. The Govt. of India's suggestion conveyed in their letter No. 131/42-A.R.P.II dated 8-8-42 is under consideration of this Govt.

I have etc.

19.8.42

44453 37

5/9.

ADDITIONAL UNDER SECRETARY
5 1942
PUBLIC DEPARTMENT

No.156/42-A.R.P.II.
Government of India.
Civil Defence Department.
New Delhi, the Sept:'42

From

C.L. Bryson, Esquire, I.C.S.,
Under Secretary to the Government of India.

To

The Deputy Secretary to the Government of
Madras, Public (Civil Defence)Department.

Subject:- A.R.P.-Mangalore - Scheme.

---

p.36 ante

Sir,

I am directed to refer to your letter No.38334/42-3, dated the 20th August 1942, forwarding a copy of the A.R.P. Scheme for Mangalore, and to ask for a copy of the various Appendices referred to therein.

I have the honour to be,
Sir,
Your most obedient servant,

Under Secretary to the Government of India.

S.S.C.

Offg to type

Encl. not typed. Pl. fill in the date in J.C.
8/9

This with cmd
11/9

p37 cy

Pub (C.D.) Dept.

Letter / Ref. No. 38334 / 42-5 dated 9/9/42

To the Secretary to the Govt. of India,

Civil Defence Dept.

(with copy of Pub. 13-31 cy)

Sir,

A.R.P. – Mangalore – Scheme

Ref. C.D. Dept. letter no. 156/42-ARP.II dated 1-9-42

~~with reference to the letter~~

I am directed to enclose a

3)

copy each of the appendices referred to ~~[illegible]~~ as desired by the Govt. of India. They were not sent previously ~~originally~~ as it was thought that they might not be required ~~for~~ by the Govt. of India.

8/
5/9/[illegible]
[illegible]
6.9.42

Co 2469/C/42-2 40

Ref. No.225-ARP-42.
A. R. P. Special.

SPECIAL A.R.P. OFFICE,
MANGALORE, 8-9-1942.

From

M. Karamatullah, Esq., I.C.S.,
A.R.P. Controller and District Magistrate,
S O U T H K A N A R A, Mangalore.

To

The Chief Secretary to the Government of Madras,
Public (Civil Defence) Department,
M A D R A S

Through

The Deputy Inspector-General,
Civil Defence, M A D R A S

Sir,

A. R. P. - Mangalore - Scheme.

REF: Government Memorandum No.38334/42-2 dated 28-8-1942.

FIRE FIGHTING SERVICE

The personnel of the Fire Brigade when increased to 24 will be sufficient for one trailer pump and the two existing water lorries, as remarked by the Deputy Inspector General in his C.No.2469/CD/42 dated 8-8-42. When the remaining trailer pumps are obtained, it will be necessary to recruit additional staff. Provision will, therefore, be made in the Scheme to recruit additional staff, if and when the remaining five trailer pumps are obtained, as resolved by the A.R.P. Committee in its meeting held on 31-8-1942.

2. The A.R.P. Committee has approved the proposal of the A.R.P. Sub Divisional Officer to fill up all the static water tanks by manual labour at an approximate cost of Rs.150/- as this is the only possible course, as pumps cannot suck from the depth of the wells of Mangalore area, in addition to the reasons stated by the Government in their Memorandum cited above. This course is also found to be cheaper than the mode of filling up of the tanks by means of the Fire Engine worked on petrol, the consumption of which has now been much restricted, not to speak of the considerable cost of it.

3. There are no canals in Mangalore. The back waters here are saltish and cannot be used for the engines. As resolved by the Committee, the A.R.P. Sub Divisional Officer has been requested to examine all the tanks in Mangalore and to suggest the structural alterations necessary to render them useful for Fire Fighting purposes.

4. A suitable candidate will be selected as Fire Master and deputed to undergo the specialised training in Madras.

5. The Committee has resolved that it is not necessary to store sand in 130 places mentioned in the Scheme in Appendix F, but to store it near the sites of static tanks and at wardens' posts and to be kept underground in pits in order to avoid the sand from being washed away by the rain.

TELEPHONE SERVICE.

The warning system will be incorporated in the Scheme.

41.

CONTROL AND REPORT CENTRE.

One direct line and two exchange telephones will be installed in the second depot as suggested by the Deputy Inspector-General, Civil Defence, Madras.

The roster of persons who will take charge during emergency, in order of seniority, as approved by the Committee, is given below:-

1. Controller.
2. Deputy Controller.
3. Chief Warden.
4. Deputy Chief Warden.
5. Wardens' Staff Officer
6. Messenger Commandant.
7. Senior Instructor present (except the Incident Officer).

The Committee has also resolved that the building adjoining the existing A.R.P. Office is absolutely necessary for A.R.P. purposes to accommodate the Control and Report Centre and the administrative Offices, such as, Special A.R.P. Office, Wardens' Staff Office, Casualty Staff Officer's Office and for Refresher Courses, leaving the existing buildings solely to the Depot Superintendent for his office and Depot and for sleeping accommodation of personnel of various services stationed at the Depot.

TRANSPORT

The Committee considers that a Mobile First Aid Unit fully equipped may be supplied from Madras as there are no facilities for one made locally.

A.R.P. Controller.

Dy. Inspector General,
Civil Defence, Madras.

No. dated the 14th September 1942.

Forwarded.

3. Salt water can be used with trailer pumps provided the pumps are well flushed afterwards.

There are two mobile First Aid units in Calicut which it should be possible to copy.

Deputy Inspector-General,
Civil Defence, Madras.

Enclosure:- Letter No.225-ARP-42 dated 8-9-42 from A.R.P.Office, Mangalore.

43 -

Pub. (C.D) Dept.

Memo No. 38334/42-6 Dt 22/9/42

A.R.P. - Mangalore - Scheme

Pp 40-41 cy Ref. D.M.'s letter no. 225 - A.R.P. - 42 of 8.9.42

The D.M. of S. Kanara is informed that there is no objection to the use of salt water by trailer pumps provided they are well flushed after use. As regards the supply of a mobile First Aid Unit, he is informed that two units have been provided for Calicut and that it should be possible to have one copied locally for use

p 42 cy

4 H

use at Mangalore.

8
17.9.42

17.9.42

[illegible] 21.9.42

2)

The D.I.G. of Kanara

D.I.G., C.D.

[illegible]

2465, [illegible] 42 [illegible]

40943
2/10/42

No. 156/42-A.R.P.II., 45
Government of India,
Civil Defence Department,
New Delhi, the 28 Sept.42.

From

C.I.Bryson, Esqr., I.C.S.,
Under Secretary to the Government of India.

DEPUTY SECRETARY
2 - OCT 1942
PUBLIC

To

The Deputy Secretary to the Government of Madras Public(Civil Defence) Deptt.

Sir,

With reference to your letter No. 38334/42-3 dated the 20th August 1942, I am directed to say that the Government of India approve of the A.R.P.Scheme for Mangalore forwarded therewith. It has, however, not been explained why 3 paid Rescue Parties instead of 2 (25% of 8) have been proposed

p 36 cont

Mangalore

I have the honour to be,
Sir,
Your most obedient servant,

Bryson

Under Secretary to the Government of India.

R.P.C.

Public (Civil Defence) Dept

A.R.P. --- Mangalore --- Scheme.

Pp.1-31 cf. —From the Special A.R.P. Officer, Mangalore, No.225-ARP.42 dated 31-7-1942.
p.2 cf. —Endt. No.38334/42-1, Pub.(Civil Defence), dated 4-8-1942.
p.33 cf. —From the D.I.G., Civil Defence, No.2469/CD/42 dated 8-8-42.

....

Please see the A.R.P. Scheme for Mangalore on pp.3-31 c.f and the D.I.G.'s comments thereon on p.33 c.f. The following remarks are called for:-

Fire Fighting Service - pp.5-6 c.f. Please also see the D.I.G.'s remarks on p.33 c.f. A list showing the static water supply tanks proposed to be constructed is on p.19 c.f. The D.M. may be informed that the tanks should be as large as possible upto a capacity of 100,000 (one lakh) gallons

The scheme provides for the storage of sand in about 130 sites - please see Mangalore c.f. and the statement on pp.25-26 c.f. The D.M. is apparently satisfied that this is necessary. It is presumed that necessary steps ~~would have~~ will ~~been~~ taken to see that the sand is not washed away by rain.

p 5 cf

Rescue Parties: As lorries are now difficult to obtain the D.M. may be asked to acquire buses for the use of the Parties.

Transport: The number of motor vehicles still required is--

Front of p.18 cf read with X a p.33 cf

1 lorry or bus for the Rescue Service. (2 lorries obtained already)
3 Ambulances
1 car for sitting cases
3 cars for First Aid Parties. (It is stated that the cars are for the use of the 3 paid F.A.Parties. However only 2 paid parties are authorised. The third car may be utilised by one of the 6 volunteer parties.)
1 lorry for mobile F.A.Post. (If one of the lorries already purchased can be utilised for this purpose one bus will do.)

M

(x) for 2 car parties - x a p.33 cf

The Home Dept. may be requested to accord the necessary sanction for acquiring the vehicles.

p 33 cf

Control and Report Centre: The Govt. of India have suggested separately that this Govt. should reconsider their decision directing wardens to report damages to the nearest Depot instead of to the Report Centre. The connected file has bee submitted separately.

2. 9/17/8 75

33

Wardens' Service: Orders have since issued directing the D.M. that the number of wardens' posts in Mangalore should be reduced to 30.

The D.M. may be asked to put the Scheme into operation after revising it suitably. A draft Memo. to the D.M. and a draft letter to the Govt. of India are submitted for approval. After issue, the file may be sent to Home.

Sn 13.8.42

ARN 14.8.42

As remarked by D.C.A. there is a complete misunderstanding of the capabilities of Trailer Pumps. Small trailer pumps can be easily manhandled down the narrowest lanes, but drawing water direct from a well is a dangerous proceeding as the suction created will usually be sufficient to cause the sides of the well to cave in.

The possibilities of filling the Static water tanks from the canals and backwaters should be investigated — either by means of open channels or by some form of pumping arrangements. If it has not already been done a Fire Master should be selected and sent to Madras for training very soon.

'2' on p.6. cf. This is very vague. A roster of persons who will take charge in the absence of the Controller or Dy Controller should be prepared and in order of "seniority" so that there can be no doubt or dispute as to who should assume control.

'4' on p.7. cf. The military have at last completed their part of the job. This paragraph should be revised incorporating the local arrangements.

17.8.42 AJ.

16.8.42

DEPUTY SECRETARY 18 AUG 1942 PUBLIC DEPARTMENT

Two revised ... have submitted.

Issue

19.8.42

Memo No. 38334/42-2 ... 20-8-42

Letter No. 38334/42-3 ... 20-8-42

The file may now be sent to Home

UNDER SECRETARY TO GOVERNMENT
25 AUG 1942
HOME DEPT.

22.8.42

Home

23.8.42

Pub (CDA) 2.0. 38334/42-4
24/8/42

21284 J
26.8.42

Home (J) Dept

Please see mi on p 1 ante: and this dept's note on p 7 n f ie the top file orders passed in the top file may be applied to this case also

1.10.42

(C No 21225 J)

Relevant extracts taken

29.42

DEPUTY SECRETARY
PUBLIC DEPARTMENT

27.8.42

27/8

Home No 21284 J-1
4.9.42

RC

Return to Public

44841
4/9

Pub (C.D.) Dept.

The file may lie over.

5.9.42

p 37 cy

[From the Govt. of India, C.D. Dept., letter no. 156/42-A.RP.II 91-9-42]

Please see the letter from the Govt. of India on p. 37 cy. The

appendices referred to are at pp. 13-31 cf. Copies of these appendices were not sent to the Govt. of India previously as it was thought that they might not be required for their purpose. Draft letter forwarding a copy each of the appendices is submitted.

8/9/42

8/9/42

6.9.42

[Letter No. 38334/42-5 of 9.9.1942] [illegible]

[From the D.M. of S. Kanara, No. 225 A.R.P./42 [illegible] dated 8.9.1942]

Please see the letter from the D.M. of S. Kanara and the D.I.G.'s endorsement thereon on pp. 40-42 c.f. A draft reply is submitted for approval.

21.9.42

7.9.42

17.9.42

Memo No. 38334/42-6 of 22.9.1942

From the Govt. of India, C.D. Dept., letter No. 156/42 A.R.P. II of 28.9.1942

pp. 43-44 cf

p. 45 cf

Please see the Govt. of India's letter on p. 45 c.f. 3 paid rescue parties have been provided in accordance with this Govt.'s general decision to reduce the scale of parties for the mufassal areas and to

recruited at the reduced scale

pay all the parties. No reply to the Government of India seems necessary. The papers may be recorded

G.O/Ms No 3201 D/6-10-42
War-A.R.P-Mangalore-
Scheme - Pp. recorded

Sd
5.10.42

5.10.42

[illegible]

[illegible] 6.10.42

Ref.No.225-ARP-42.
A. R. P. SPECIAL.

SPECIAL A.R.P. OFFICE
MANGALORE, 31-10-1942.

UNDER SECRETARY
21 NOV 1942
CHIEF SECRETARY

From

M. Karamatullah, Esq., I.C.S.
A.R.P. Controller and District Magistrate,
South Kanara, MANGALORE.

To

The Chief Secretary to the Government of Madras,
Public (Civil Defence) Department,
M A D R A S.

Through
The Deputy Inspector-General, Civil Defence, Madras.

Sir

WAR - A.R.P. - Mangalore - Draft Scheme - Fire Fighting Service - Storage of sand.

Government Memorandum No.38334/42-2, dated 20-8-42 and Letter Ref.No.225-ARP-42, dated 8-9-1942, of the A.R.P. Controller, Mangalore.

With reference to the proposal referred to in paragraph 5 of my letter referred to above, the A.R.P. Sub Divisional Officer, Mangalore, has sent an estimate for Rs.1,800/- on account of the cost of the construction of sand bins in 60 places near the water storage tanks and at the Wardens' posts. The estimate provides for the excavation of earth (3' X 10') in hard gravelly soil in 60 places to a depth of 5 feet and lining the top with laterite in lime mortar to a height of about one foot.

2. The estimate for Rs.1,800/- in respect of 60 sand bins was placed before the A.R.P. Committee which met on 26-10-1942. It was resolved that sanction of the Government might be obtained before the Scheme was taken up.

3. I think it advisable to place the sand within the easy reach of the public and the Fire Fighting Service, so that it may be used with advantage in an emergency. Experience in Mangalore of commercial undertaking is that bins deteriorate after a few months, if kept filled with sand.

4. I, therefore, request that sanction may be accorded for the construction of sand bins in 60 places in the Mangalore town at a total cost not exceeding Rs.1,800/- including the cost of sand.

PSR/

For A.R.P. Controller

DEPUTY INSPECTOR-GENERAL CIVIL DEFENCE
6 NOV 1942
MADRAS

CNo. 4786/CO/42

Forwarded.

This seems quite unnecessary. The public can keep sand in boxes in their houses.

[signature] 20/11

For Deputy Inspector General,
Civil Defence, Madras.

S.20.

Pub. (C.D.) Dept

Memo No 58214/42-1 Dt 28/11/42

A.R.P. - Mangalore. Storage of sand for fire fighting purposes.

Ref. D.M.'s letter no 225-ARP/42 of 31-10-42

The D.M. of S. Kanara is informed that the Government consider that the proposals his letter cited above should be dropped. Houses can keep sand in boxes in their own houses.

[signature] 24.11.42

DPO 5.30 [illegible] 23/11/42

[signature] 23.11.42

The D.M. of S. Kanara

Note Please see portion marked M on p. 6 c.f. the statt. on pp 25-26 c.f. and M on p. 35 and 40 c.f. of G.O. No. 3201 Pub. (C.D.) of 6-10-42. For orders whether D.I.G.'s recommendation will be accepted. Draft memo subd. After issue, the may be filed with the above.

D.I.G.'s view may be accepted

[signature] 24.11.42

[signature] 23/11/42

[signature] 23.11.42

As Yes [signature] 27.11.42